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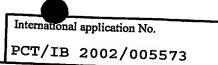
INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	
301830WO/VRD/JMT/nlb	FOR FURTHER ACTION See Form PCT/IPEA/416
International application No.	International filing date (day/month/year) Priority date (day/month/year)
PCT/IB 2002/005573	20 12 2002 ·
International Patent Classification (IPC) or	national classification and IPC
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Applicant	
Nokia Corporation et a	il who
1. This report is the international prel	minary examination
Authority under Article 35 and trans	minary examination report, established by this International Preliminary Examining asmitted to the applicant according to Article 36.
2. This REPORT consists of a total of	sheets, including this cover cheet
3. This report is also accompanied by	ANNEXES, comprising
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shorts of the applicant a	nd to the International Bureau) a total of sheets, as follows:
and/or sheets co	
3 vilanistative	instructions).
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Supplemental B	losure in the international application as filed, as indicated in item 4 of Box No. I and the ox.
(Since the the matton	d Bureau only) a total of (indicate type and number of electronic carrier(s))
readable form only, as in	, containing a sequence listing and/or tables related thereto, in computer ons).
Administrative Instructi	ons). Sequence Listing (see Section 802 of the
4. This report contains indications relat Box No. I Basis of the	ing to the following items:
Box No. 1 Basis of th	e report
Box No. II Priority	
Box No. III Non-establ	ishment of opinion with regard to novelty, inventive step and industrial applicability
Box No. IV Lack of un	ity of invention
Box No. V Reasoned s	tatement under Artist 2500 v.
applicabilit Box No. VI Certain doc	tatement under Article 35(2) with regard to novelty, inventive step or industrial summers cited
Box No. VII Certain defi	ects in the international application
Box No. VIII Certain obs	ervations on the international application
Date of submission of the demand	
of Submission of the demand	Date of completion of this report
09.07.2004	
	21.12.2004
Name and mailing address of the IPEA/SE	Authorized officer
30x 5055 3-102 42 STOCKHOLM]
Pacsimile No. +46 8 667 72 88	Catharina Karlsson /OGU
Form PCT/IPEA/409 (cover sheet) (January 20	Telephone No. +46 8 782 25 00





Box No.	Basis of the report	PCT/IB 2002/005573
1. With	regard to the language, this report is based wise indicated under this item.	on the international application in the language in which it was filed, unles
	The state of the s	original language into the following language
Î	international search (under Rules 12	3 and 23.1(b))
j	publication of the international appli	cation (under Rule 12.4)
	international preliminary examination	n (under Rules 55.2 and/or 55.3)
2. With furni	this report):	application, this report is based on (replacement sheets which have been nvitation under Article 14 are referred to in this report as "originally filed"
	the international application as originally file	d/furnished
	the description:	
	pages	
	pages*	received by this A at the same as originally filed/furnished
		received by this Authority on
	pages*	as originally filed/furnished
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	the drawings:	received by this Authority on
	pages	
		as originally filed/furnished
	pages*	received by this Authority on as originally filed/furnished received by this Authority on
		see Supplemental Box Relating to Sequence Listing.
3.	The amendments have resulted in the cancellat	on of
	the description, pages	
	the claims, Nos.	
	the drawings, sheets/figs	
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	any table(s) related to the sequence lis	ting (specify):
· 🔲 ;		the amendments annexed to this report and listed below had not been eyond the disclosure as filed, as indicated in the Supplemental Box (Rule
	the description, pages	
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	the drawings, sheets/figs	
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	any table(s) related to the sequence list	ng (specific)
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4) WEIN 4 (pplies, some or all of those sheets may be mari	ed "superseded."
m PCT/IPE	V409 (Box No. I) (January 2004)	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/IB 2002/005573

Bo	K No. V	Reasoned statement under Article 25(2)	PCT/1B 2002/	005573
		Reasoned statement under Article 35(2) with regard to novelty, citations and explanations supporting such statement	inventive step or industrial	applicability;
1.	Statement			

1.	Statement			mustrial applicability;	
	Novelty (N)	Claims	1-12		Y IDa
	Inventive step (IS)	Claims	1-12		YES NO
	Industrial applicability (IA)	Claims Claims	1-12	1	YES NO
		Claims			YES NO

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D2: Salmenkaita, M. et al.: "Optimizing the GSM/EDGE air interface for multiple services wit with dynamic frequency and channel assignment". 2002 IEEE 56TH VEHICULAR TECHNOLOGY CONFERENCE, 2002. PROCEEDINGS. VTC 2002-FALL, 24-28 September 2002, Volume 4, pages 2215-2219.

D1 discloses a method for collecting interference information. This information is used to assign channels.

D2 describes channel assignment. The carrier to interference ratio is calculated.

D3 relates to channel allocation.

None of the cited documents discloses that a dominant interference ratio is calculated in order to select a channel. Therefore, the cited documents represent the general state of the art.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed method of and apparatuses for channel allocation. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-12 is novel and is considered to involve an inventive step. The invention is industrially applicable.